SONY

Sony Storage Media

DAT72 Data Cartridge
Sony's ultra-thin coating technology packs 72GB into one DAT72 cartridge.

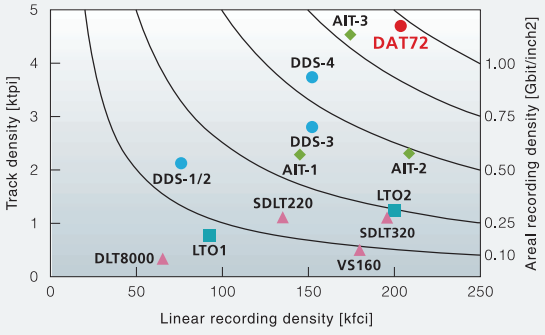
DAT 72
Digital Data Storage

Huge capacity per tiny cartridge

The high areal recording density of DAT72 results from Sony's outstanding dual-layer coating and helical scan technologies. Each miniscule cartridge brings you huge data storage capacity of up to 36GB native or 72GB compressed.

Certified by Hewlett-Packard

The Sony DAT72 Cartridge (DGDAT72) passes Hewlett-Packard's strict qualification test requirements for assured performance in DAT72 drives.



DAT72

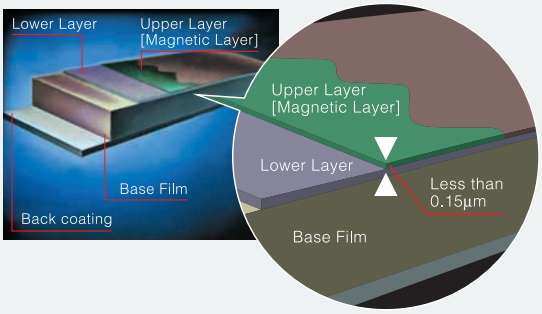
Digital Data Tape Cartridge

DAT72

Digital Data Tape Cartridge

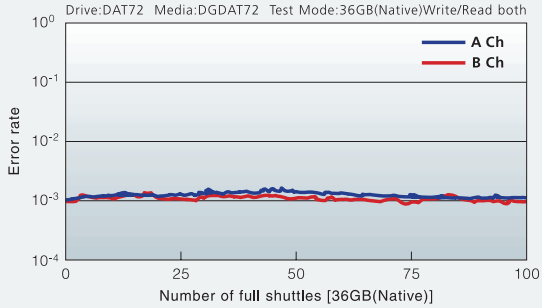
Leading dual-layer ultra-thin coating

Sony DAT72 media features a dual-layer coating comprising an ultra-thin magnetic layer and a nonmagnetic layer. The ultra-thin magnetic layer raises output and reduces noise even in the high frequency range essential for high-density recording. The nonmagnetic layer creates a smooth surface to support tape travel stability and durability. Sony's original coating technology makes possible a magnetic layer of 0.15µm or less, one of the thinnest in its class.



Excellent reliability

The chart shows results for repeated write/read 36GB (native) backup testing using the full length of a Sony DAT72 (DGDAT72) cartridge. Under these severe conditions simulating actual use, Sony DAT72 media maintains an extremely stable low error rate to assure outstanding reliability.



Cleaning cartridge

Sony's DGD15CL cleaning cartridge was developed to maximize cleaning effectiveness while minimizing potential head wear. Already proven in the previous generations of DDS drives, this cleaning cartridge can also be used with confidence in DAT72 drives.

DAT72•DDS Series Drive/Media Compatibility

Model	Format	Drive Type				
		DAT72	DDS-4	DDS-3	DDS-2	DDS-1
DGDAT72	DAT72	Write/Read	–	–	–	–
DGD150P	DDS-4	Write/Read	Write/Read	–	–	–
DGD125P	DDS-3	Write/Read	Write/Read	Write/Read	–	–
DGD120P	DDS-2	–	Write/Read	Write/Read	Write/Read	–
DG90P	DDS-1	–	Write/Read*1	Write/Read	Write/Read	Write/Read
DG60P	DDS-1	–	Write/Read*1	Write/Read	Write/Read	Write/Read

*1:This depends on the drive's specifications. Sony's DDS-4 drive is read and write compatible.

Mechanical Characteristics	DGDAT72		
Format	DAT72	Tape Width (mm)	3.81
Linear Recording Density(kbpi)	163 (8kftpmm)	Tape Thickness (µm)	5.3
Recording Capacity	36GB (*72GB)	Tape Length (m)	170
Coercive force (kA/m)	195		

*Compression ratio 2:1

Dimensions

Cartridge Dimensions (mm) : 73x54x10.5
Weight (g) : 42 (with case)

Environmental Requirements

Operation Conditions (°F(°C);%RH) : 15~55 (59~131);10~80*
Storage Conditions (°F(°C);%RH) : 5~32 (41~89.6);20~60*
Transportation Conditions (°F(°C);%RH) : -40~45 (-40~113);5~80*

*Maximum wet bulb temperature : 79°F(26°C) at no condensation.

For more Information, visit our website at
http://www.sony.co.jp/datamedia

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